

# THE UNITED STATES OF AMERICA

**TO ALL TO WHOM THESE PRESENTS SHALL COME:**

## Coker's Pedigreed Seed Company

Whereas, THERE HAS BEEN PRESENTED TO THE

### Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF 6 eventeen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY\* AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY SAME ONLY AS CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS BY THE OWNER OF THE RIGHTS. (8-1 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

### SOYBEAN

Coker Hampton 266A

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this sixth day of September in the year of our Lord one thousand nine hundred and seventy three

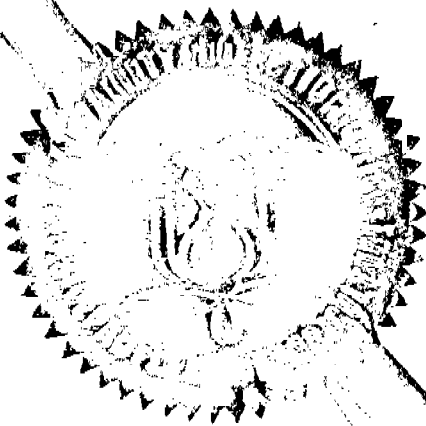
Attest.

*J. J. Rollin*

Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*Earl L. Butz*

Secretary of Agriculture



## Soybean

## 'Coker Hampton 266A'

## 13A. Exhibit A:

A selection from the variety 'Hampton.' Registered seed sold to growers in 1970 (less than 1 year before the effective filing date, February 2, 1971, of the application). Variants: Less than 1% dark brown or black hila, on yellow seed coat; less than 1% seed with brown seed coat and dark hilum; less than 1% taller types.

## 13B. Exhibit B:

'Coker Hampton 266A' is most similar to 'Coker Hampton 266.' The major difference between the two varieties is that 'Coker Hampton 266A' plants are 2 inches or more taller. This height difference is consistent.

## 13c. Exhibit C:

|                         |   |                              |
|-------------------------|---|------------------------------|
| Seed shape              | : | Spherical flattened          |
| Seed color              | : | Light yellow                 |
| Seed luster             | : | Dull                         |
| Seed size               | : | 16 g/100 seeds               |
| Hilum color             | : | Medium buff                  |
| Cotyledon color         | : | Yellow                       |
| Protein content         | : | 39.7% ('Bragg' 41.2 percent) |
| Oil content             | : | 23% ('Bragg' 21.7 percent)   |
| Seed protein            | : | B                            |
| Leaflet size            | : | Medium                       |
| Leaflet shape           | : | Ovate-lanceolate             |
| Leaflet color           | : | Medium green                 |
| Flower color            | : | Purple                       |
| Pod color               | : | Brown                        |
| Plant pubescence color: | : | Medium gray                  |
| Plant habit             | : | Bushy and determinate        |
| Hypocotyl color         | : | Purple                       |
| No. days to flowering   | : | 77                           |

|                |   |  |
|----------------|---|--|
| Maturity group | : | VIII - 170 days  |
| Lodging score  | : | 2.7  |
| Height         | : | 107 cm. ('Bragg' 107 cm.)  |
| Disease        | : | Resistant to Bacterial Pustule,<br>Downy Mildew, Root Knot,<br>Frogeye, Target Spot, and<br>Wildfire.<br>Susceptible to Soybean Cyst,<br>Purple Stain, and Phytophthora<br>Root Rot. |

## 13D. Exhibit D:

Data is provided showing the similarity between 'Coker Hampton 266' and 'Coker Hampton 266A.' The only difference is that 'Coker Hampton 266A' is approximately 2 inches taller in plant height. This height factor is consistent.

## 13E. Exhibit E:

The variety, 'Coker Hampton 266A', is the property of Coker's Pedigreed Seed Company by virtue of the fact that all developmental research other than the original cross were performed by company personnel and utilizing company finances and facilities.

## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

|  |  |                                   |                |
|--|--|-----------------------------------|----------------|
| 1. VARIETY NAME OR TEMPORARY DESIGNATION   | 2. KIND NAME   | FOR OFFICIAL USE ONLY             |                |
| Coker Hampton 266-A  | Soybeans   | PV NUMBER<br>7122                 |                |
| 3. GENUS AND SPECIES NAME  | 4. FAMILY NAME (Botanical)   | FILING DATE                       | TIME A.M. P.M. |
| Glycine max  | Leguminosae  | FEE RECEIVED                      | BALANCE DUE    |
|  | 5. DATE OF DETERMINATION   | \$                                | \$             |
|  | April 1968   | \$                                | \$             |
| 6. NAME OF APPLICANT(S)  | 7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) | 8. TELEPHONE AREA CODE AND NUMBER |                |
| Coker's Pedigreed Seed Co.   | P. O. Box 340<br>Hartsville, S. C. 29550                             | 803-332-7531                      |                |
| 9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) | 10. STATE OF INCORPORATION   | 11. DATE OF INCORPORATION         |                |
| Corporation  | South Carolina   | June 12, 1918                     |                |

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

Joshua J. Stanton, Jr.  
Coker's Pedigreed Seed Co.  
P. O. Box 340  
Hartsville, South Carolina 29550

## 13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- ☐ 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- ☐ 13B. Exhibit B, Botanical Description of the Variety Exhibits A, B, C, D, E  
Previously submitted
- ☐ 13C. Exhibit C, Objective Description of the Variety
- ☐ 13D. Exhibit D, Data Indicative of Novelty
- ☐ 13E. Exhibit E, Statement of the Basis of Applicant's Ownership

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? (See Section 83(a). (If "Yes," answer 14B and 14C below.) ☒ YES ☐ NO14B. Does the applicant(s) specify that this variety be limited as to number of generations? ☒ YES ☐ NO

14C. If "Yes," to 14B, how many generations of production beyond breeder seed?

☒ FOUNDATION ☒ REGISTERED ☒ CERTIFIED

The applicant declares that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes that the variety is distinct, uniform, and stable as required in Section 41 and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act.

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

January 16, 1973  
(DATE)

COKER'S PEDIGREED SEED CO.

Robert R. Coker  
(SIGNATURE OF APPLICANT)  
ROBERT R. COKER, PRESIDENT

(DATE)

(SIGNATURE OF APPLICANT)

## INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, 6525 Belcrest Road, Hyattsville, Maryland 20782. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

## ITEM

- 5 Insert the date the applicant determined that he had a new variety based on the definition in Section 41 (a) of the Act and decision is made to increase the seed.
- 13a First, give the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.
- 13b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant and compare it with a similar commercial variety grown under the same conditions, and indicate the differences.
- 13c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.
- 13d Provide complete data indicative of novelty. Seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty may be submitted. Seeds submitted may be sterile.
- 13e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.

12 A. EXHIBIT A, ORIGIN AND BREEDING HISTORY OF VARIETY - COKER HAMPTON 266A

| <u>Stage</u> | <u>Year</u> | <u>Activity</u>   |
|--------------|-------------|---|
| 1            | 1952        | Cross, Majos x Lee*   |
| 2            | 1953-1955   | Early segregating generations   |
| 3            | 1956        | Isolated superior progeny, planted in 1957 as Coker 57-225.   |
| 4            | 1957-1961   | Extensive testing and evaluation of Coker 57-225 in Coker and regional trials.<br>Foundation and Registered seed produced.  |
| 5            | 1962        | Registered seed released as the Hampton variety. Considerable variability within Hampton for hilum color, plant type, and height led to further selection. The variety Coker Hampton 266 was released in 1964 as a more uniform type, a selection from Hampton.   |
| 6            | 1960        | Another selection, taller than Coker Hampton 266 was isolated from Hampton and planted in 1961 as Coker 61-207.   |
| 7            | 1961-1967   | Extensive testing and evaluation of Coker 61-207 in Coker and experiment station trials under the experimental designation Coker 207.   |
| 8            | 1968        | Coker 207 given the varietal designation Coker Hampton 266A. Foundation seed produced.  |
| 9            | 1969        | Registered Seed Produced  |
| 10           | 1970        | Registered Seed sold to growers.  |
| Variants:    |             | <ol style="list-style-type: none"> <li>1. Less than 1% dark brown or black hila, on yellow seed coat.</li> <li>2. Less than 1% seed with brown seed coat and dark hilum.</li> <li>3. Less than 1% taller types, usually later plants. These are probably mutants or outcrosses and are kept to a minimum through reslection and roguing at all stages of increase.</li> </ol> |

\*Cross made by Dr. E. E. Hartwig, ARS, USDA, Stoneville, Mississippi for Coker's Pedigreed Seed Company.

12 B. EXHIBIT B, BOTANICAL DESCRIPTION OF THE VARIETY - COKER HAMPTON 266 A

Bragg will be used as the reference variety, and where differences occur for various characters, they are noted.

|                                  | Coker<br>Hampton 266A | <u>Bragg</u>          |
|----------------------------------|-----------------------|-----------------------|
| I. Seed and seedling characters  |                       |                       |
| A. Grams per 100 seed            | 16.0                  | 15.5                  |
| B. Seed luster                   | Dull                  | Shiny                 |
| C. Seed coat color               | Yellow <sup>1/</sup>  |                       |
| D. Cotyledon color               | Yellow                |                       |
| E. Hilum color                   | Tan <sup>2/</sup>     | Black                 |
| F. Hypocotyl color               | Purple                | Green                 |
| II. Flowering and Fruiting Stage |                       |                       |
| A. Flower color                  | Purple                | White                 |
| B. Leaflet shape                 | Broad (normal)        |                       |
| C. Branching habit               | Profuse               |                       |
| D. Main Stem Type                | Determinate           |                       |
| III. Mature Plant Characters     |                       |                       |
| A. Pubescence color              | Gray                  | Tawny                 |
| B. Pubescence type               | Erect                 |                       |
| C. Pod wall color                | Brown                 | Tan                   |
| D. Maturity Group                | VIII                  | VII                   |
| E. Maturity Date                 | Nov. 6 <sup>3/</sup>  | Oct. 29 <sup>3/</sup> |
| F. Height                        | 42" <sup>3/</sup>     |                       |

<sup>1/</sup> Less than 1% Brown seed coat.

<sup>2/</sup> Less than 1% Black hila.

<sup>3/</sup> At Hartsville, South Carolina.

OBJECTIVE DESCRIPTION OF VARIETY  
SOYBEAN (GLYCINE MAX)

INSTRUCTIONS: See Reverse.

|   |  |
|---|--|
| NAME OF APPLICANT(S)<br><b>Coker's Pedigreed Seed Co.</b>   | FOR OFFICIAL USE ONLY  |
| ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code)<br><b>P.O. Box 340<br/>Hartsville, S. C. 29550</b> | PVPO NUMBER<br><b>7122</b>   |
|   | VARIETY NAME OR TEMPORARY DESIGNATION<br><b>Coker Hampton 266A</b> |

Place the appropriate number that describes the varietal character of this variety in the boxes below.

|  |   |  |
|--|---|--|
| 1. SEED SHAPE:<br><input type="text" value="2"/> 1 = SPHERICAL    2 = SPHERICAL FLATTENED    3 = ELONGATE    4 = OTHER (Specify)   |   |  |
| 2. SEED COAT COLOR:<br><input type="text" value="1"/> 1 = YELLOW    2 = GREEN    3 = BROWN    4 = BLACK    5 = OTHER (Specify)   |   |  |
| SHADE:<br><input type="text" value="1"/> 1 = LIGHT    2 = MEDIUM    3 = DARK   |   |  |
| 3. SEED COAT LUSTER:<br><input type="text" value="1"/> 1 = DULL    2 = SHINY   | 4. SEED SIZE<br><input type="text" value="1"/> <input type="text" value="6"/> GRAMS PER 100 SEEDS   |  |
| 5. HILUM COLOR:<br><input type="text" value="1"/> 1 = BUFF    2 = YELLOW    3 = BROWN    4 = GRAY    5 = IMPERFECT BLACK    6 = BLACK    7 = OTHER (Specify)   |   |  |
| SHADE:<br><input type="text" value="2"/> 1 = LIGHT    2 = MEDIUM    3 = DARK   |   |  |
| 6. COTYLEDON COLOR:<br><input type="text" value="1"/> 1 = YELLOW    2 = GREEN  | 7. LEAFLET SIZE (See Reverse):<br><input type="text" value="2"/> 1 = SMALL    2 = MEDIUM    3 = LARGE   |  |
| 8. LEAFLET SHAPE:<br><input type="text" value="5"/> 1 = OVATE    2 = OBLONG    3 = LANCEOLATE    4 = ELLIPTICAL    5 = OTHER (Specify) <b>Ovate-lanceolate</b>   |   |  |
| 9. LEAF COLOR (See reverse):<br><input type="text" value="2"/> 1 = LIGHT GREEN    2 = MEDIUM GREEN    3 = DARK GREEN   |   |  |
| 10. FLOWER COLOR:<br><input type="text" value="2"/> 1 = WHITE    2 = PURPLE    3 = OTHER (Specify)   |   |  |
| 11. POD COLOR:<br><input type="text" value="2"/> 1 = TAN    2 = BROWN    3 = BLACK   | 12. POD SET:<br><input type="text" value="2"/> 1 = SCATTERED    2 = CONCENTRATED  |  |
| 13. PLANT PUBESCENCE COLOR:<br><input type="text" value="1"/> 1 = GRAY    2 = BROWN    3 = OTHER (Specify)   |   |  |
| SHADE:<br><input type="text" value="2"/> 1 = LIGHT    2 = MEDIUM    3 = DARK   |   |  |
| 14. PLANT TYPES (See Reverse):<br><input type="text" value="2"/> 1 = SLENDER    2 = BUSHY    3 = INTERMEDIATE  | 15. PLANT HABIT:<br><input type="text" value="1"/> 1 = DETERMINATE    2 = INDETERMINATE    3 = OTHER (Specify)  |  |
| 16. HYPOCOTYL COLOR:<br><input type="text" value="2"/> 1 = GREEN    2 = PURPLE   | 17. SEED PROTEIN:<br><input type="text" value="2"/> 1 = A    2 = B  |  |
| 18. NUMBER OF DAYS TO FLOWERING<br>(Place a zero in first box (e.g. <input type="text" value="0"/> <input type="text" value="9"/> ) when days are 9 or less.)<br><input type="text" value="7"/> <input type="text" value="7"/> | 19. MATURITY GROUP:<br><input type="text" value="10"/> 1 = 00    2 = 0    3 = I    4 = II    5 = III<br>6 = IV    7 = V    8 = VI    9 = VII    10 = VIII |  |
| 20. SIZE OF 10 DAY OLD SEEDLING GROWN UNDER CONSTANT LIGHT (Growth Chamber) AT 25° C. (Place a zero in first box (e.g. <input type="text" value="0"/> <input type="text" value="2"/> ) when size is 9 mm. or less.)            |   |  |
| <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> MM. LENGTH OF SEEDLING  | <input type="text" value="0"/> <input type="text" value="0"/> MM. LENGTH OF COTYLEDON   | <input type="text" value="0"/> <input type="text" value="0"/> MM. WIDTH OF COTYLEDON |
| 21. DISEASE: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)  |   |  |
| <input type="text" value="2"/> BACTERIAL PUSTULE   | <input type="text" value="1"/> SOYBEAN CYST   | <input type="text" value="2"/> DOWNY MILDEW  |
| <input type="text" value="1"/> PURPLE STAIN  | <input type="text" value="0"/> POD AND STEM BLIGHT  | <input type="text" value="2"/> ROOT KNOT   |
| <input type="text" value="2"/> FROGEYE   | <input type="text" value="0"/> STEM CANKER  | <input type="text" value="1"/> PHYTO-PHTHORA   |
| <input type="text" value="0"/> BROWN STEM ROT  | <input type="text" value="2"/> TARGET SPOT  | <input type="text" value="0"/> BROWN SPOT  |
| <input type="text" value="0"/> BUD BLIGHT  | <input type="text" value="2"/> WILDFIRE   | <input type="text" value="0"/> RHIZOCTONIA ROT                                       |
| <input type="text" value="0"/> OTHER (Specify)   |   |  |



**22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.**

| CHARACTER    | NAME OF VARIETY | CHARACTER             | NAME OF VARIETY |
|--------------|-----------------|-----------------------|-----------------|
| Plant shape  |                 | Petiole angle         |                 |
| Leaf shape   |                 | Seed size             | <b>Bragg</b>    |
| Leaf color   |                 | Seed shape            | <b>Bragg</b>    |
| Leaf surface |                 | Seedling pigmentation |                 |

**23. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY:**

| VARIETY                 | NO. OF DAYS<br>TO MATURITY | LODGING<br>SCORE | PLANT<br>HEIGHT | LEAF SIZE |        | CONTENT |       | AVERAGE NO.<br>OF PODS PER<br>PLANT | IODINE NO. |
|-------------------------|----------------------------|------------------|-----------------|-----------|--------|---------|-------|-------------------------------------|------------|
|                         |                            |                  |                 | Width     | Length | Protein | Oil   |                                     |            |
| Submitted               | 170                        | 2.7              | 42"             |           |        | 39.7    | 23.0% |                                     |            |
| Name of similar variety |                            |                  |                 |           |        |         |       |                                     |            |
| <b>Bragg</b>            | 162                        | 2.7              | 42"             |           |        | 41.2    | 21.7  |                                     |            |

**INSTRUCTIONS**

**GENERAL:** The following publications may be used as a reference aid for completing this form:

1. Scott, Walter O. and Samuel R. Aldrich, 1970, Modern Soybean Production, The Farmer Quarterly.
2. Norman, A. G., 1963, The Soybean: Genetics, Breeding, Physiology, Nutrition, Management.
3. McKie, J. W., and K. L. Anderson, 1970, The Soybean Book.

**LEAF COLOR:** Nickerson's or any recognized color fan may be used to determine the leaf color of the described variety. The following Soybean varieties may be used as a guide to identify the colors listed on the form.

| COLOR        | VARIETY  |
|--------------|----------|
| Light Green  | "Ada"    |
| Medium Green | "Wilkin" |
| Dark Green   | "Swift"  |

**LEAF SIZE:** The following varieties may be used as a guide to identify the relative size leaves.

| SIZE   | VARIETY |
|--------|---------|
| Small  | "Amsoy" |
| Medium | "Bonus" |
| Large  | "Anoka" |

**PLANT TYPE:** The following varieties may be used as a guide to identify the plant type.

| TYPE         | VARIETY    |
|--------------|------------|
| Slender      | "Vansoy"   |
| Intermediate | "Wirth"    |
| Bushy        | "Adelphia" |

EVALUATION DATA FROM COKER'S UNIFORM VARIETY TEST  
CONDUCTED AT HARTSVILLE, SOUTH CAROLINA

4-Year Summary, 1966-1969

| Variety            | Yield<br>Bu./A | Height<br>Inches | Maturity<br>Date | Lodging* |
|--------------------|----------------|------------------|------------------|----------|
| Coker Hampton 266A | 39.2           | 42               | Nov. 6           | 2.7      |
| Coker Hampton 266  | 38.9           | 40               | Nov. 6           | 2.5      |
| Lee                | 34.2           | 30               | Oct. 20          | 2.2      |
| Bragg              | 36.6           | 42               | Oct. 29          | 2.7      |
| Coker 102          | 35.1           | 49               | Nov. 10          | 3.3      |

Note that the major difference between Coker Hampton 266A and Coker Hampton 266 is a difference in height which is consistent and often greater than shown in these data.

The slight increase in yield and lodging of Coker Hampton 266A over Coker Hampton 266 is probably a direct function of the added height.

\* Lodging: Score 1-5  
1: Almost all plants erect.  
5: All plants down badly.

EXHIBIT D, DATA INDICATIVE OF NOVELTY

COKER HAMPTON 266-A

SOYBEANS

Data are presented copied directly from South Carolina Experiment Station Publications indicating novelty by virtue of a height differential between Coker Hampton 266 and Coker Hampton 266-A Soybeans.

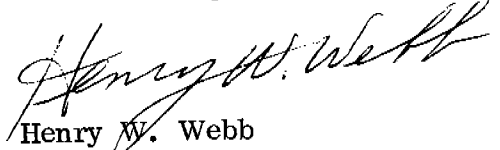
These supplemental data provided per request of Mr. Robert J. Snyder, Examiner, PVPO by letter dated May 9, 1973

12E. EXHIBIT E, STATEMENT OF THE BASIS OF APPLICANT'S OWNERSHIP,

COKER HAMPTON 266 A

The variety, Coker Hampton 266 A, is the property of Coker's Pedigreed Seed Company by virtue of the fact that all developmental research and related activities pertaining to the development of Coker Hampton 266 A, other than the original cross, were performed by company personnel and utilizing company finances and facilities.

Coker's Pedigreed Seed Company

A handwritten signature in cursive script, reading "Henry W. Webb". The signature is written in dark ink and is positioned above the printed name and title.

Henry W. Webb

Director, Cotton-Soybean Research

State of New York  
County of New York

TRANSFER OF OWNERSHIP

In consideration of the formation of a research partnership, which is named CR Seeds with its principal offices at 900 Darlington Highway, Hartsville, S.C. 29550, and of which Coker's Pedigreed Seed Company, Hartsville, S.C., is a partner, Coker's Pedigreed Seed Company does hereby convey to CR Seeds, free from all encumbrances, ownership of the following protected varieties:

Wheat Varieties

| <u>Variety Name</u> | <u>Plant Variety Certificate No.</u> | <u>Issue Date</u> |
|---------------------|--------------------------------------|-------------------|
| Coker 68-15         | 7200014                              | March 6, 1974     |
| Coker 68-19         | 7200015                              | March 6, 1974     |
| Coker 747           | 76TQ015                              | September 9, 1978 |
| Coker 762           | 8000152                              | December 12, 1981 |
| Coker 797           | 8000145                              | December 12, 1981 |

Oat Varieties

| <u>Variety Name</u> | <u>Plant Variety Certificate No.</u> | <u>Issue Date</u> |
|---------------------|--------------------------------------|-------------------|
| Coker 227           | 7500007                              | October 20, 1977  |
| Coker 716           | 7900003                              | December 28, 1978 |
| Coker 234           | 7500008                              | October 26, 1977  |
| Four Twenty-Two     | 7700085                              | April 12, 1979    |
| Big Mac             | 8200121                              | August 19, 1982   |
| Mesquite            | 8200122                              | August 19, 1982   |

Soybean Varieties

| <u>Variety Name</u> | <u>Plant Variety Certificate No.</u> | <u>Issue Date</u> |
|---------------------|--------------------------------------|-------------------|
| Coker-Hampton 266A  | 7100022                              | September 6, 1973 |
| Coker 136           | 7300091                              | October 18, 1973  |
| Coker 338           | 7400058                              | October 29, 1976  |
| Coker 237           | 7800034                              | July 13, 1978     |
| Coker 488           | 7900035                              | July 13, 1978     |
| Coker 156           | 7900043                              | November 27, 1979 |
| Coker 317           | 8100095                              | November 19, 1981 |
| Coker 368           | 8200140                              | August 31, 1983   |

COKER'S PEDIGREED SEED CO.

By: E. Joe Dahmer  
E. Joe Dahmer, President

Date: February 29, 1984

Sworn and subscribed to before me  
this 29<sup>th</sup> day of February, 1984.

Ruth Silber

Notary Public ~~for New York County~~

RUTH SILBER  
NOTARY PUBLIC, State of New York  
No. 31-8994050  
Qualified in New York County  
Commission Expires March 30, 1984

ASSIGNMENT

WHEREAS, CR Seeds, a general partnership having its principal office at 900 Darlington Highway, Hartsville, South Carolina 29550 ("Partnership"), is the owner of the entire right, title and interest to the United States Plant Variety Protection Certificates and applications for such Certificates (collectively "Certificates") listed on Appendix A attached hereto;

WHEREAS, the partners of CR Seeds, Rohm and Haas Seeds Inc., a Delaware corporation having its principal office at Independence Mall West, Philadelphia, PA 19105 ("RHS") and Coker's Pedigreed Seed Company, a South Carolina corporation with its principal office at 900 Darlington Highway, Hartsville, SC 29550 ("CPS"), are each desirous of acquiring a one-half undivided interest in the varieties and Certificates listed on Appendix A;

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, CR Seeds does hereby sell, assign and transfer to RHS a one-half undivided interest in and to the varieties and Certificates and to CPS a one-half undivided interest in and to the varieties and Certificates for each of their use and benefit and for each of their successors and assigns.

IN TESTIMONY THEREOF, CR Seeds intending to be legally bound has caused this assignment to be executed by its duly authorized officer.

CR Seeds

By: E. Joe Dahmer  
President

State of South Carolina )  
County of Darlington ) SS

On this 30th day of December, 1986, before me appeared E. Joe Dahmer of CR Seeds, the person who signed this instrument who acknowledged that he signed it as a free act on behalf of CR Seeds with authority to do so.

Loyd B. Ethart  
Notary Public

My commission expires 4-14-91

APPENDIX A

Soft Red Winter Wheat Varieties

| <u>Variety<br/>Name</u> | <u>U.S. Plant Variety<br/>Certificate No.</u> | <u>Issue Date</u>          |
|-------------------------|---|----------------------------|
| Coker 68-15             | 7200014                                       | Mar. 6, 1974               |
| Coker 68-19             | 7200015                                       | Mar. 6, 1974               |
| Coker 747               | 76TQ015                                       | Sept. 9, 1978              |
| Coker 762               | 8000152                                       | Dec. 12, 1981              |
| Coker 797               | 8000145                                       | Dec. 12, 1981              |
| Coker 916               | 8300036                                       | Sept. 27, 1985             |
| Coker 983               | 8400058 <sup>1</sup>                          | Feb. 27, 1984 <sup>1</sup> |
| McNair 701              | 7200038                                       | Feb. 26, 1974              |
| McNair 4823             | 7200037                                       | April 8, 1975              |
| RHS 8232                | 8400136 <sup>1</sup>                          | July 16, 1984 <sup>1</sup> |
| 9227                    | 8600009 <sup>1</sup>                          | Oct. 22, 1985 <sup>1</sup> |
| 9323                    | 8600010 <sup>1</sup>                          | Oct. 22, 1985 <sup>1</sup> |

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1. Application number and filing date.

Winter Oat Varieties

| <u>Variety<br/>Name</u> | <u>U.S. Plant Variety<br/>Certificate No.</u> | <u>Issue Date</u>          |
|-------------------------|---|----------------------------|
| Coker 227               | 7500007                                       | Oct. 20, 1977              |
| Coker 716               | 7900003                                       | Dec. 28, 1978              |
| Coker 820               | 8400059 <sup>1</sup>                          | Feb. 28, 1984 <sup>1</sup> |
| Coker 234               | 7500008                                       | Oct. 26, 1977              |
| Four Twenty Two         | 7700085                                       | Apr. 12, 1979              |
| Big Mac                 | 8200121                                       | Aug. 19, 1982              |
| Mesquite                | 8200122                                       | Aug. 19, 1982              |

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1. Application number and filing date.



Soybean Varieties

|                          |                      |                           |
|--------------------------|----------------------|---------------------------|
| Coker<br>Hampton 266A    | 7100022              | Sept. 6, 1973             |
| Coker 136                | 7300091              | Oct. 18, 1973             |
| Coker 338                | 7400058              | Oct. 29, 1976             |
| Coker 237                | 7800034              | July 13, 1978             |
| Coker 488                | 7800035              | July 13, 1978             |
| Coker 156                | 7900043              | Nov. 27, 1979             |
| Coker 317                | 8100095              | Nov. 19, 1981             |
| Coker 368                | 8200140              | Aug. 31, 1983             |
| Coker 425                | 8400077              | May 31, 1985              |
| Coker 485                | 8400078              | May 31, 1985              |
| Coker 393<br>(Q327-4270) | 8400018              | Jan. 25, 1985             |
| Coker 355<br>(XP5878)    | 8400019              | Jan. 25, 1985             |
| Coker 627                | 8700001 <sup>1</sup> | Oct. 3, 1986 <sup>1</sup> |
| Coker 686                | Pending <sup>1</sup> | Dec. 19, 1986             |

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1. Application number and filing date.

| <u>Variety<br/>Name</u> | <u>U.S. Plant Variety<br/>Certificate No.</u> | <u>Issue Date</u> |
|-------------------------|---|-------------------|
| AP55                    | 8100089                                       | Feb. 18, 1982     |
| AP70                    | 7800081                                       | Feb. 15, 1979     |
| AP71                    | 8100090                                       | Sept. 24, 1981    |
| Lancer                  | 7600044                                       | Sept. 29, 1976    |
| RA-526                  | 7500067                                       | Dec. 12, 1975     |
| RA-604                  | 7900008                                       | Mar. 1, 1975      |
| RA-680                  | 8100097                                       | Apr. 15, 1982     |
| RA-502                  | 8200160                                       | Aug. 31, 1983     |
| RA-606                  | 8200161                                       | Oct. 27, 1983     |
| RA-580                  | 8300075                                       | Apr. 30, 1984     |
| Mitchell                | 7300054                                       | Oct. 30, 1974     |
| RA-401                  | 7800030                                       | June 22, 1978     |
| RA-601                  | 7800031                                       | June 22, 1978     |
| Mitchell<br>450         | 7900046                                       | June 14, 1979     |
| RA-481                  | 8000054                                       | Mar. 26, 1981     |
| RA-402                  | 8000093                                       | July 31, 1981     |
| Mitchell<br>410         | 8200162                                       | Oct. 27, 1983     |
| RA-403                  | 8200163                                       | Oct. 27, 1983     |

| <u>Variety<br/>Name</u> | <u>Certificate No.</u> | <u>Issue Date</u>          |
|-------------------------|------------------------|----------------------------|
| RA-451                  | 8500008 <sup>1</sup>   | Oct. 10, 1984 <sup>1</sup> |
| RA-452                  | 8500009 <sup>1</sup>   | Oct. 10, 1984 <sup>1</sup> |
| RA-405                  | 8500010 <sup>1</sup>   | Oct. 10, 1984 <sup>1</sup> |
| RA-501 A                | 76TQ006                | May 11, 1978               |
| RA-480                  | 7900007                | Feb. 15, 1979              |

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1. Application number and filing date.

ASSIGNMENT

WHEREAS, Rohm and Haas Seeds Inc., a Delaware corporation having its principal office at Independence Mall West, Philadelphia, PA 19105 ("RHS"), is the owner of a one-half undivided interest in and to the United States Plant Variety Protection Certificates and applications for such Certificates (collectively "Certificates") listed on Appendix A attached hereto:

WHEREAS, Coker's Pedigreed Seed Company, a South Carolina corporation with its principal office at 900 Darlington Highway, Hartsville, SC 29550 ("CPS"), is desirous of acquiring this one-half undivided interest in the aforementioned varieties and Certificates;

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, RHS does hereby sell, assign and transfer to CPS RHS's one-half undivided interest in and to the varieties and Certificates for CPS's use and benefit and for its successors and assigns.

IN TESTIMONY THEREOF, RHS intending to be legally bound has caused this assignment to be executed by its duly authorized officer.

ROHM AND HAAS SEEDS INC.

By: Howard A. Mergelkamp

Assistant Treasurer

State of Pennsylvania )  
County of Philadelphia ) SS

On this 31<sup>st</sup> day of December, 1986, before me appeared Howard A. Mergelkamp of Rohm and Haas Seeds Inc., the person who signed this instrument who acknowledged that he signed it as a free act on behalf of Rohm and Haas Seeds Inc. with authority to do so.

Elizabeth A. Smith

ELIZABETH A. SMITH Notary Public

Notary Public, Phila., Phila. Co.

My commission expires My Commission Expires Oct. 14, 1989.

ASSIGNMENT OF PLANT VARIETY PROTECTION CERTIFICATES

WHEREAS, COKER'S PEDIGREED SEED COMPANY, a South Carolina corporation ("Coker's"), having its offices at 900 Darlington Highway, Hartsville, South Carolina 29550, has adopted and used and is the sole and exclusive owner of certain United States Plant Variety Protection Certificates and similar rights under laws of countries other than the United States as listed in Exhibit A hereto:


WHEREAS, COKER'S PEDIGREED SEED CO. and NORTHRUP KING CO., a Delaware corporation ("NK"), have entered into an Asset Purchase Agreement, dated July 20, 1988, providing for the purchase and sale of substantially all of the assets and business of Coker's and the assumption of certain of Coker's liabilities and obligations by NK; and

WHEREAS, NK desires to acquire the right, title and interest in, to and under the Plant Variety Protection Certificates listed on Exhibit A hereto and the pending applications hereto (collectively, the "Plant Variety Protection Certificates").

IN WITNESS WHEREOF, Coker's has caused this instrument to be executed by its duly authorized representative as of the 20th day of July, 1988.

By: E. Joe Dahmer  
E. Joe Dahmer  
President

On this 25<sup>th</sup> day of July, 1988, before me, a Notary Public in and for the County aforesaid, the undersigned officer, E. Joe Dahmer, personally appeared and acknowledged himself to be the President of Coker's Pedigreed Seed Co., and that he executed the foregoing instrument for the purposes therein.

 **TIMOTHY M. BANGASSER**  
NOTARY PUBLIC — MINNESOTA  
**HENNEPIN COUNTY**  
My Commission Expires May 22 1992

Yvonne M. Bagnasser  
Notary Public

**EXHIBIT A**

**Plant Variety Protection Certificates (Section 5.15(a)(ii)):**

**Soybean Varieties**

| <u>Variety Name</u>   | <u>U.S. Plant Variety Certificate Number</u> | <u>Issue Date</u> | <u>Term (Yrs.)</u> |
|-----------------------|--|-------------------|--------------------|
| Coker Hampton 266A    | 7100022                                      | Sept. 6, 1973     | 17                 |
| Coker 136             | 7300091                                      | Oct. 18, 1973     | 17                 |
| Coker 338             | 7400058                                      | Oct. 29, 1976     | 17                 |
| Coker 237             | 7800034                                      | July 13, 1978     | 17                 |
| Coker 488             | 7800035                                      | July 13, 1978     | 17                 |
| Coker 156             | 7900043                                      | Nov. 27, 1979     | 17                 |
| Coker 317             | 8100095                                      | Nov. 19, 1981     | 18                 |
| Coker 368             | 8200140                                      | Aug. 31, 1983     | 18                 |
| Coker 425             | 8400077                                      | May 31, 1985      | 18                 |
| Coker 485             | 8400078                                      | May 31, 1985      | 18                 |
| Coker 393             | 8400018                                      | Jan. 25, 1985     | 18                 |
| Coker 355<br>(XP5878) | 8400019                                      | Jan. 25, 1985     | 18                 |
| Coker 627             | 8700001                                      | May 29, 1987      | 18                 |
| Coker 686             | 8700035                                      | May 29, 1987      | 18                 |
| 6738                  | 8700158                                      | March 31, 1988    | 18                 |
| 6727                  | 8700157                                      | Sept. 30, 1987    | 18                 |
| 6847                  | 8800127(1)                                   | April 13, 1988(1) | -                  |

(1) Application number and filing date.